

PROPOSED PROJECTS DESCRIPTION AND EXISTING INFRASTRUCTURE

As described on previous technical memoranda, a group of projects for urban irrigation were evaluated and selected to mitigate the irrigation demand. Table 34 shows the list of these proposed projects and the expected facilities needed. The amount of benefit or recovery will determine the capacity necessary for the pipes and pumps.

Table 34
Proposed Sub-Regional Project Summary

No.	Projects	Benefit or Recovery Capacity (MGD)	No. of ASR Wells	Infrastructure Needed
1	Ten Mile Canal	12.0	17	Intake system, pumping station, ASR wells and chemical treatment system
2	Fiesta Village / Fort Myers Beach	8.1	12	ASR wells, chemical treatment system and pump station
3	Fort Myers Central	8.8	13	ASR wells, chemical treatment system and pump station
4	Gateway	1.0	2	ASR wells, pump station, connection, and chemical treatment.
5	Lehigh Acres	4.9	7	ASR wells, pump station, connection, and chemical treatment.
6	Three Oaks	3.3	5	ASR wells, pump station, connection, and chemical treatment.
7	Fiesta Village	3.9	6	ASR wells, pump station, connection, and chemical treatment.
8	Fort Myers Beach	4.2	6	ASR wells, pump station, connection, and chemical treatment.
9	Fort Myers South	7.8	12	ASR wells, pump station, connection, and chemical treatment.
10.	City of Fort Myers Reclaimed Water System Expansion	16.6	0	Pumping station, storage tanks, and transmission lines.
11.	Corkscrew Rd. to Williams Rd.	0.3	0	Interconnection.
	Total	45.9	80	

The locations of the projects listed above are presented in a series of figures, which are located in Figure 28. The Index figure shows a general map of the Sub-Region 3 projects. This figure serves as an index to locate the figure number where the proposed projects are shown. Proposed locations are based on general locations and do not include land use, survey, property assessment or any other property-specific considerations.

Figure 29 presents Project 1 - Ten Mile Canal and Project 7 - Fiesta Village. They are located west of Highway 41. Project 1 is located near the Ten Mile Canal and will require a transmission line that will convey the supply to the existing pipeline about 3 miles west of the proposed site. Project 7 is located west of Summerlin Rd, east of McGregor Blvd., and south of Cypress Lake Drive. As shown in the

figure an existing pipeline for transmission and distribution of reclaimed water is already built; therefore, it can be used for the purpose of this project.

Figure 30 shows the location of Project 2 - Fiesta Village/Fort Myers Beach. The location of this ASR project is on Summerlin Road, east of the Fort Myers Beach Wastewater Treatment Plant. The project's proposed site has the advantage of being located next to an existing 18-inch transmission line that can be used to convey the recovered water provided by this project.

Figure 31 illustrates the location of Project 3 - Fort Myers Central. The proposed ASR reclaimed water project is located east of Immokalee Road on Buckingham Road. The proposed site was selected near a future reclaimed water transmission line, as shown in the figure.

Figure 32 presents Project 4 - Gateway. This reclaimed water ASR project will be located northeast of the existing Gateway WRF. A 10-inch transmission line is needed between the WRF and the project site and from the project site to the distribution system (approximately 6 miles away).

Figure 33 presents Project 5 - Lehigh Acres. This project is located on Lee Boulevard. The proposed project site is located southeast of the existing Lehigh Acres WRF. A 16-inch pipeline will be required between the WRF and the project site. From the project site, a 16-inch transmission line will convey the supply to the rest of the reclaimed water system approximately 7.5 miles west of the project site.

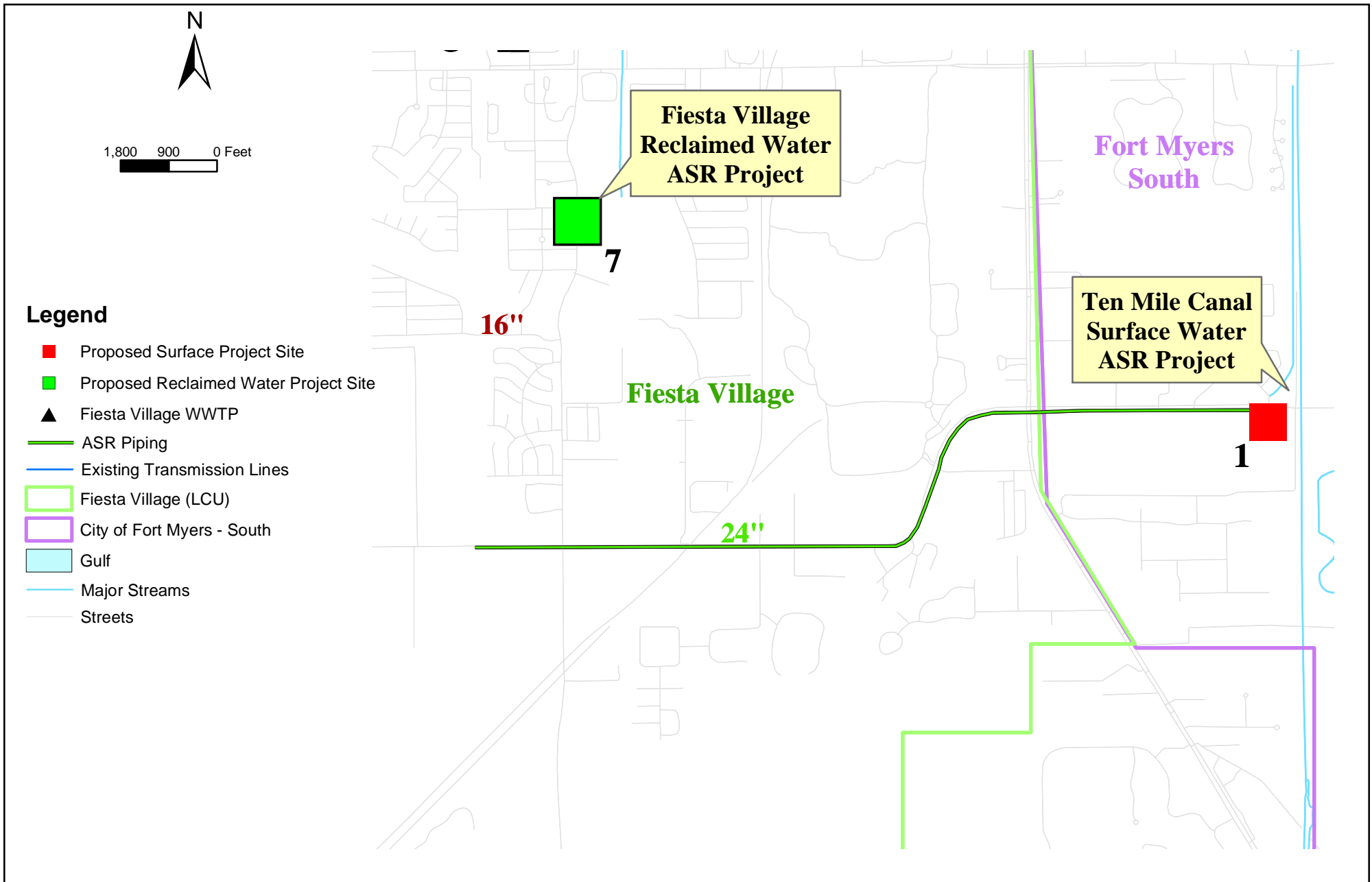
Figure 34 presents Project 6 - Three Oaks. The proposed project site for this reclaimed water project is located west of I-75, and northeast of the existing Three Oaks WRF. The project will require a 16-inch transmission line from the site to the WRF. A recently built distribution system will be used to convey the water supply from the WRF.

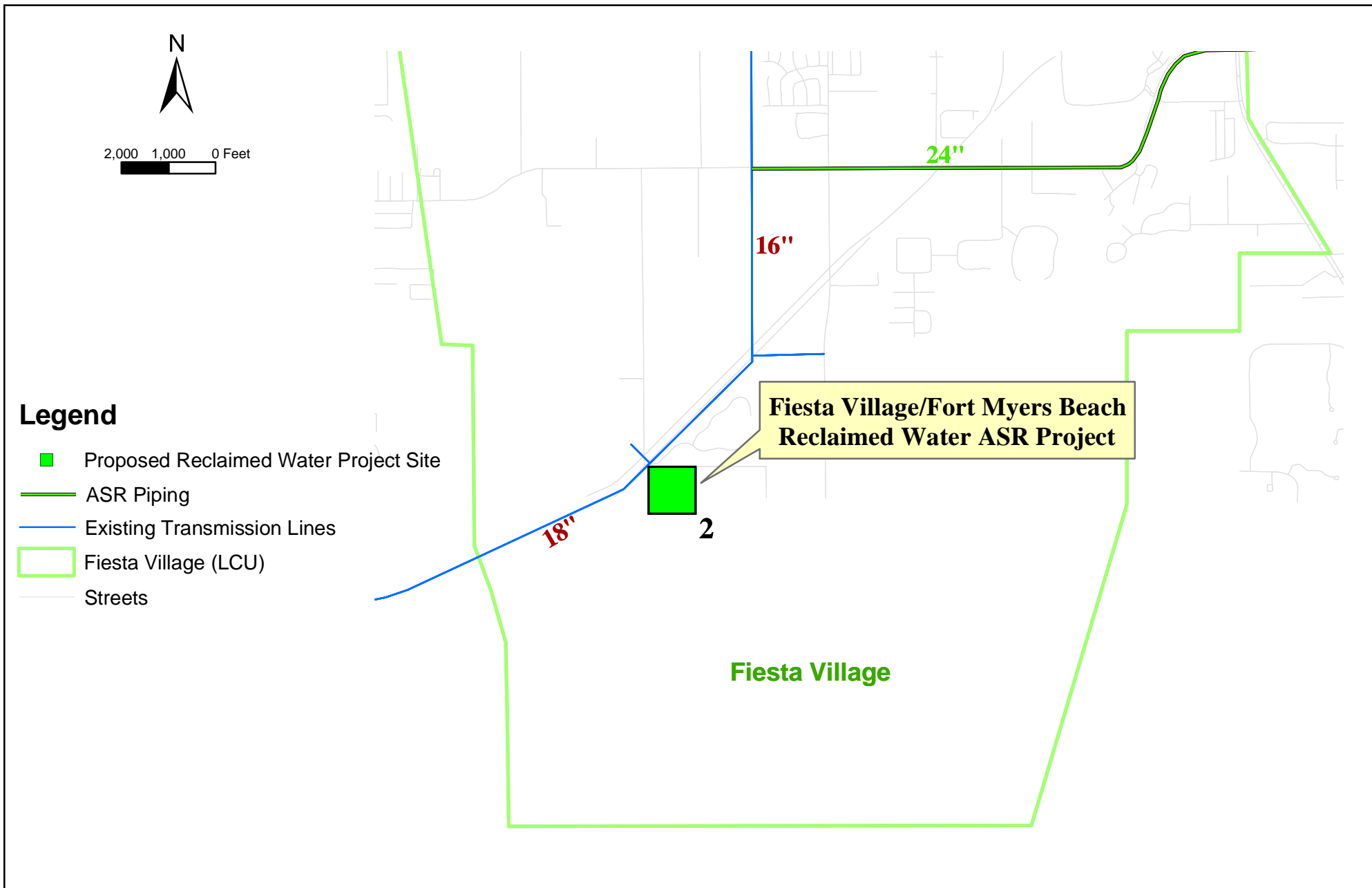
Figure 35 shows Project 8 - Fort Myers Beach. The location of this project is on Summerlin Road just east of the existing WRF. The advantage of the proposed site for this project is that there is a pipeline already in place that would distribute the supply obtained from this project.

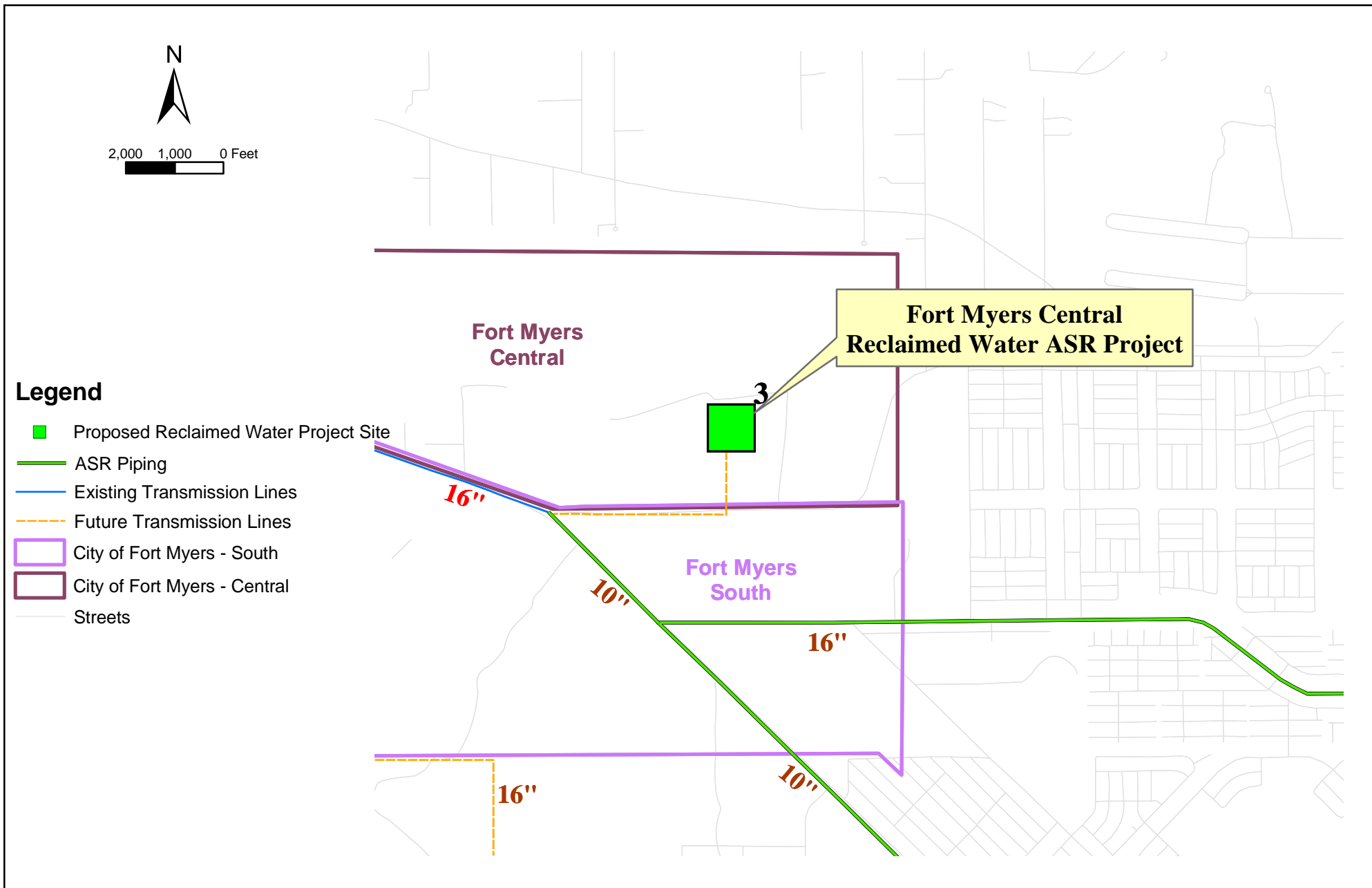
Figure 36 presents the location of Project 9 - Fort Myers South. This reclaimed water project is located approximately 3,300 feet west of Six Mile Cypress Parkway and south of Colonial Blvd. The proposed site for this project is near the existing distribution line on Six Mile Cypress Parkway that would convey the supply provided by this project.

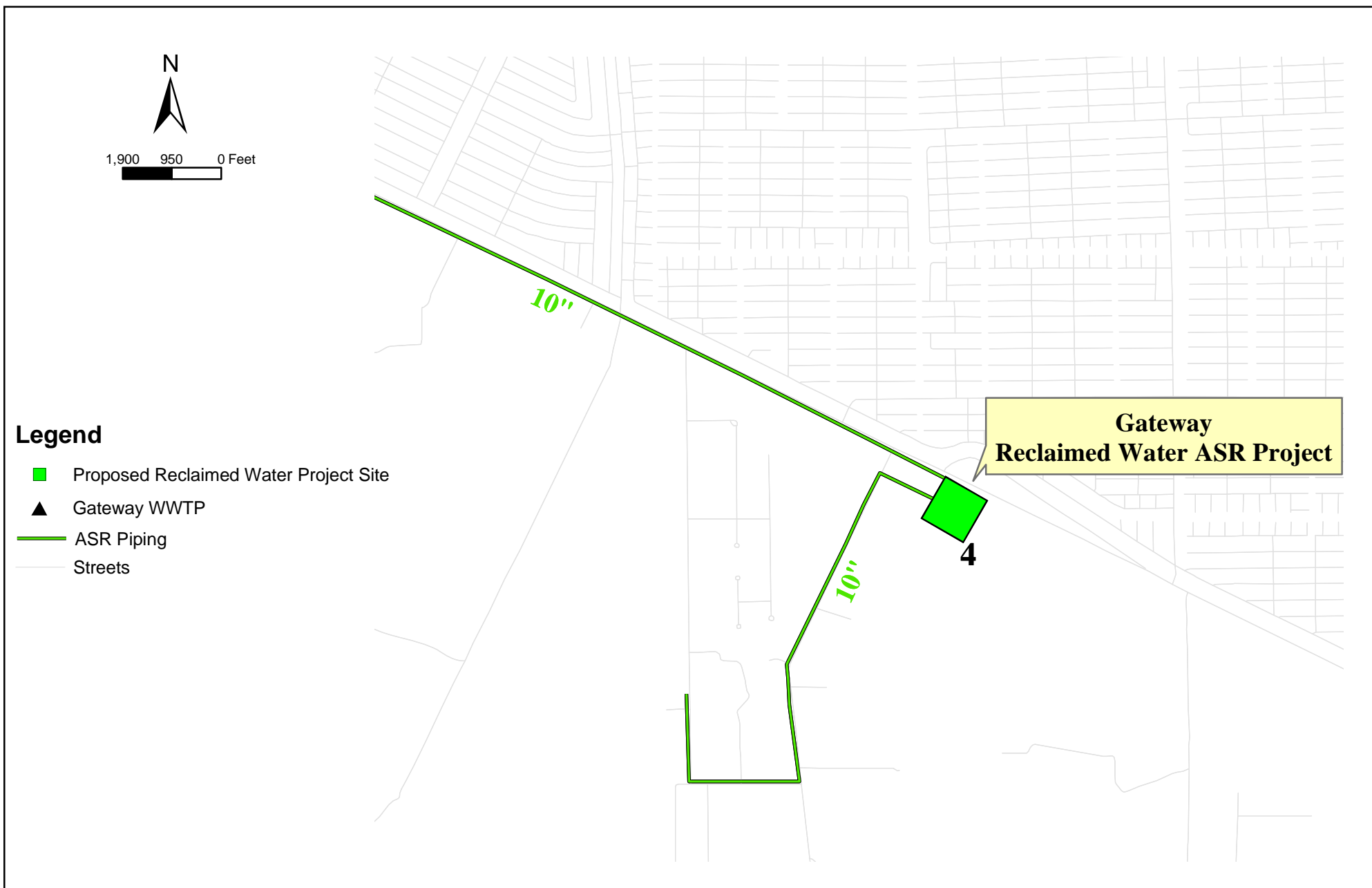
Figure 37 shows Project 10 - City of Fort Myers Reclaimed Water System Expansion. This project includes a series of projects including the Fort Myers Central WWTP and South WWTP interconnect and the Fort Myers Pipeline West of I-75. As shown on figure 1 the project encompasses transmission lines that loop between these two WWTP's to provide a combined supply of reclaimed water of approximately 16.6 MGD.


Figure 38 shows Project 11 - Corkscrew Road to Williams Road. This project between Lee County and the City of Bonita Springs will provide approximately 300,000 gallons per day of reclaimed water supply to an existing golf course that could use.

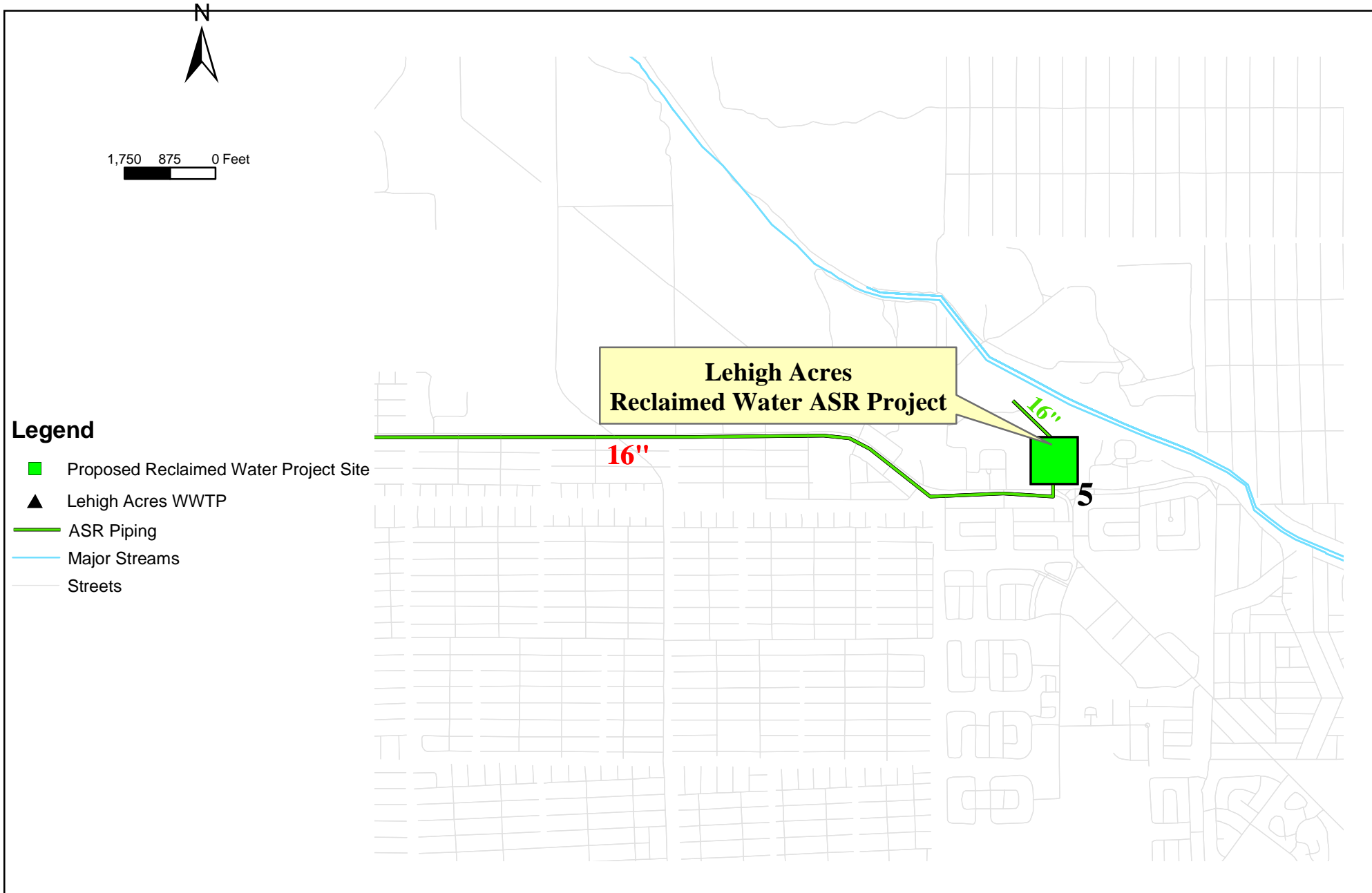






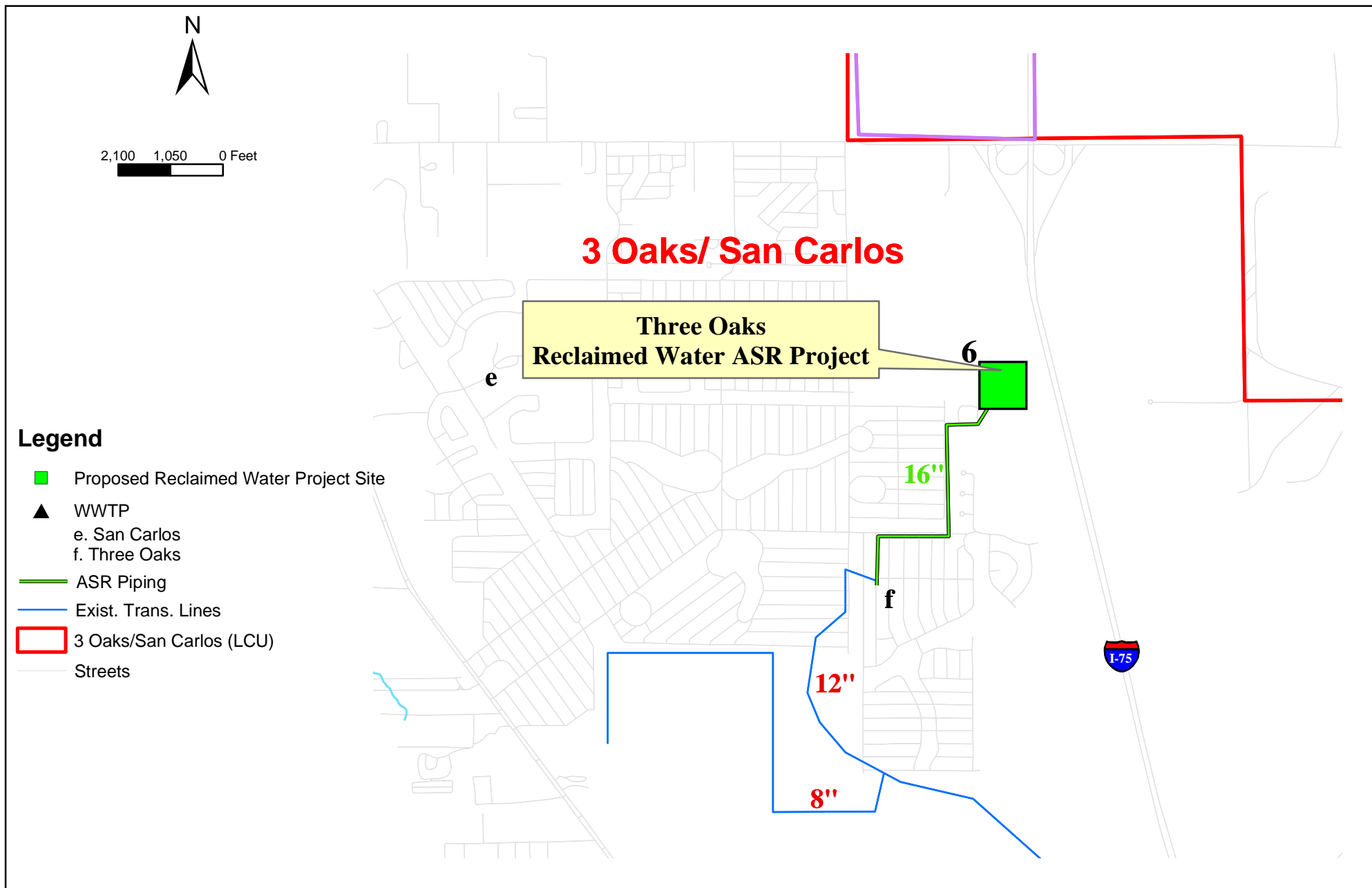


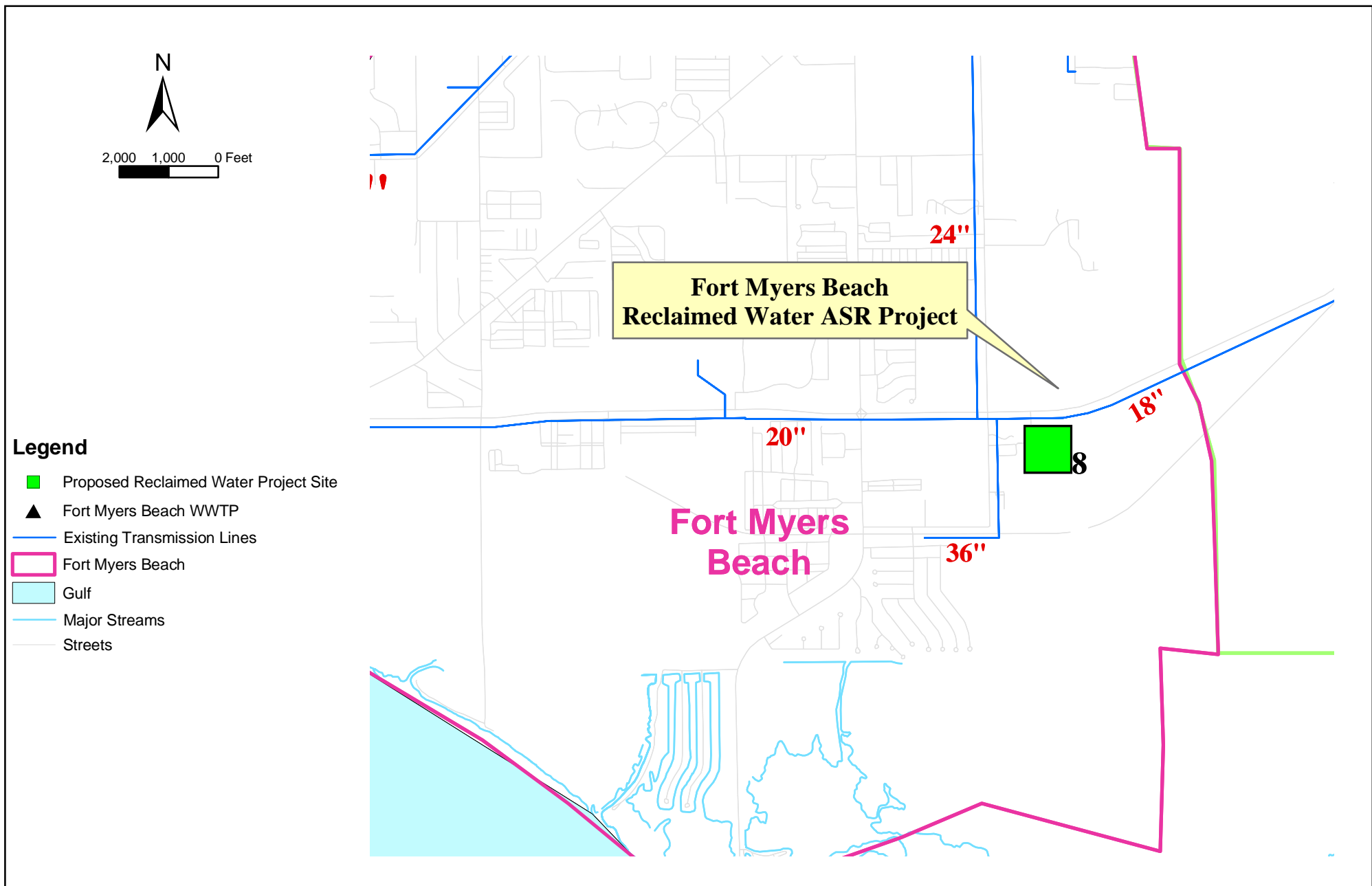
<p>Regional Irrigation Distribution System (RIDS) Feasibility Study for the Lower West Coast Region</p>	<p>BOYLE</p>	<p> South Florida Water Management District</p>	<p>4. Gateway Reclaimed Water ASR System - Subregion 3</p>	<p>Figure 32</p>
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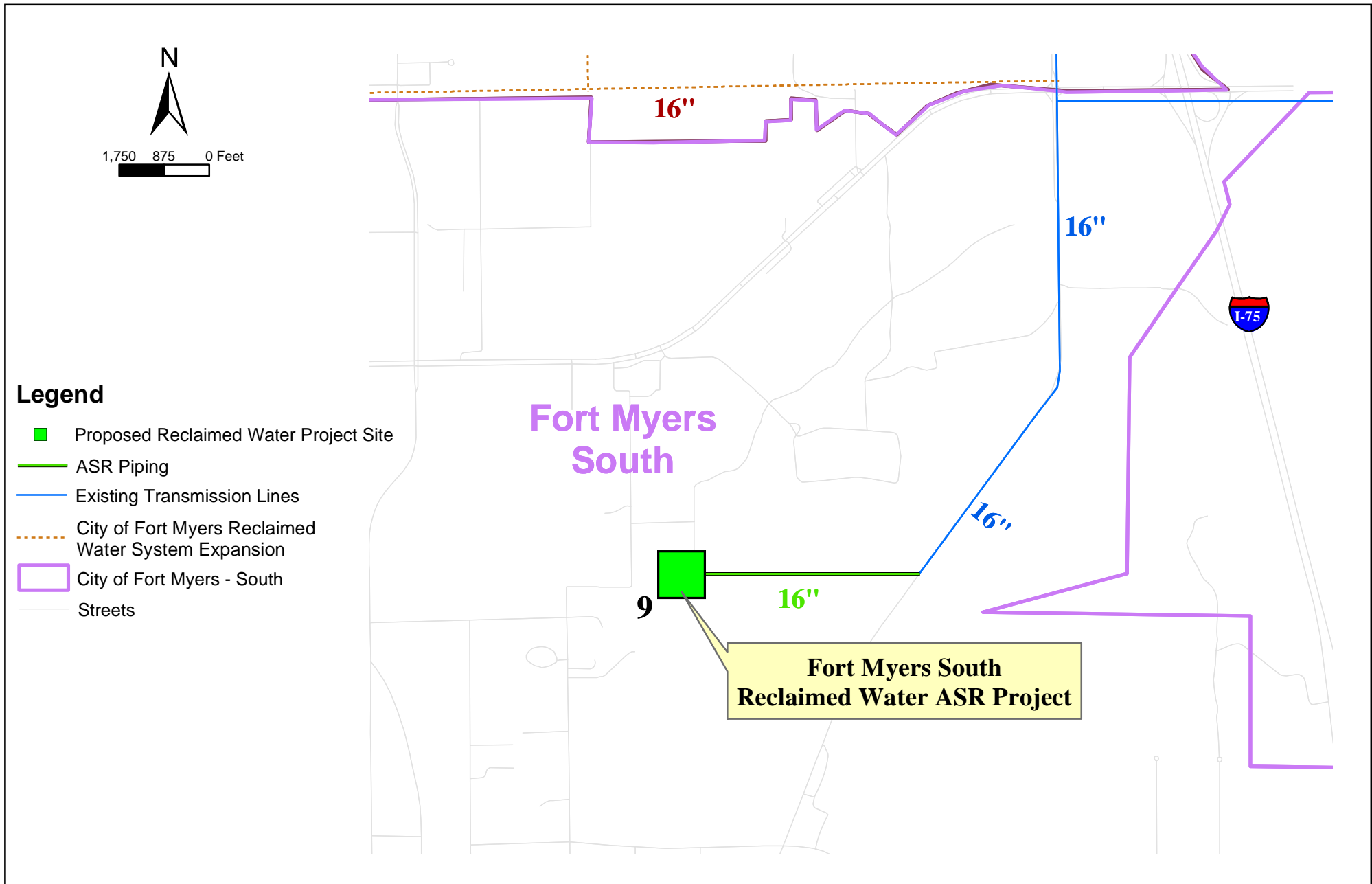


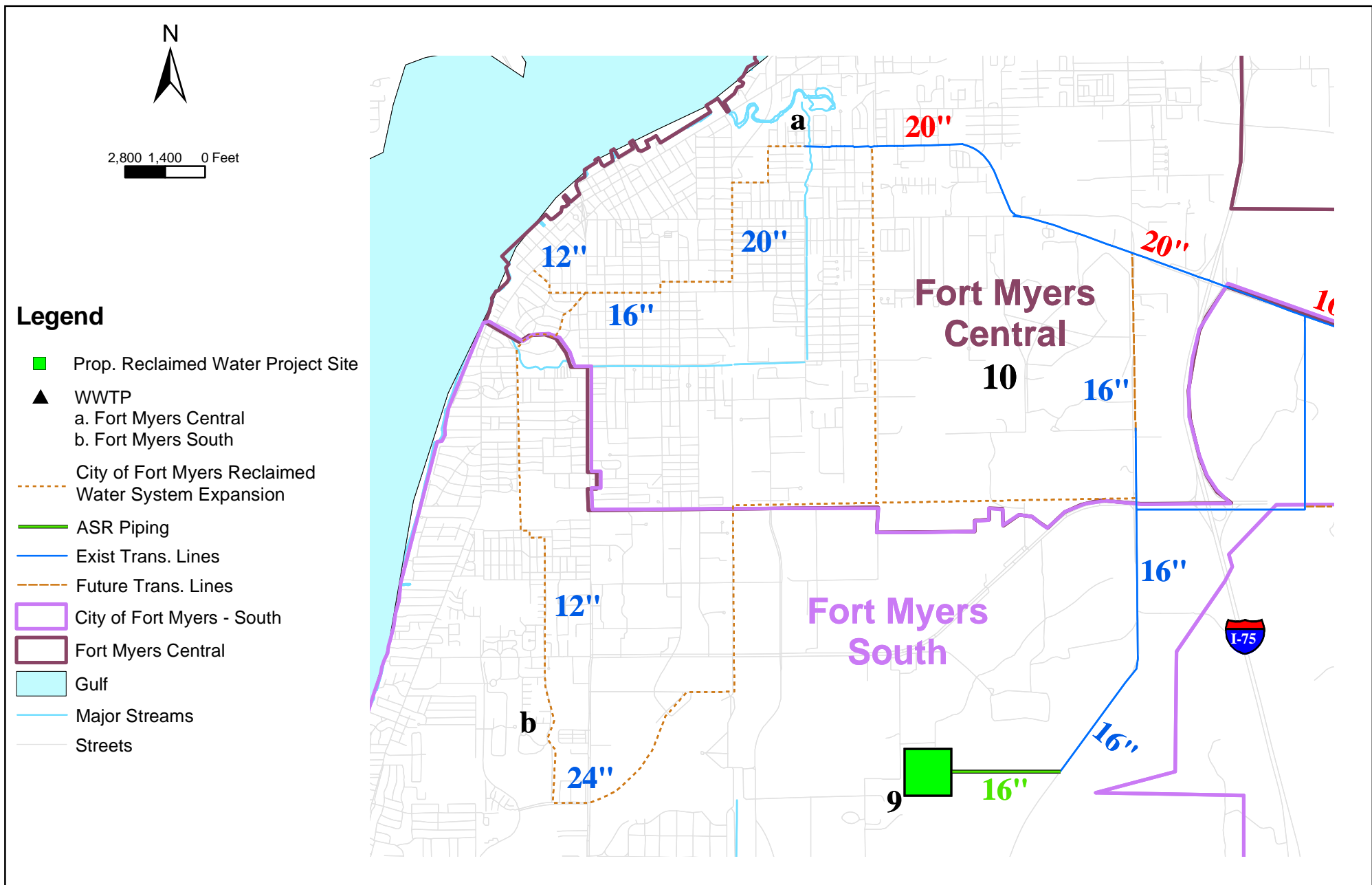
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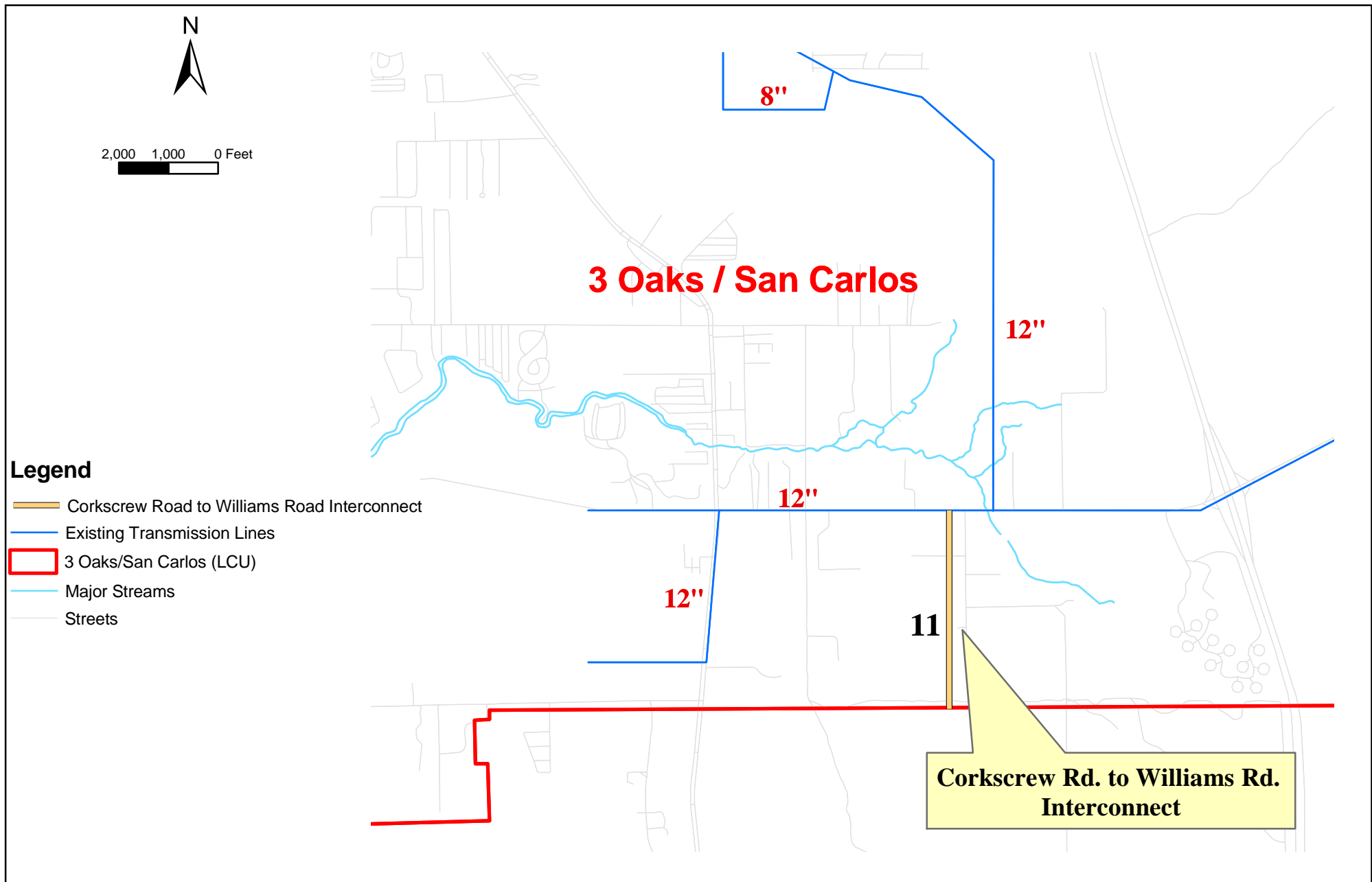
- Proposed Reclaimed Water Project Site
- ▲ Lehigh Acres WWTP
- ASR Piping
- Major Streams
- Streets











<p>Regional Irrigation Distribution System (RIDS) Feasibility Study for the Lower West Coast Region</p>	<p>BOYLE</p>	<p>South Florida Water Management District</p>	<p>11. Corkscrew Rd. to Williams Rd. Interconnect Subregion 3</p>	<p>Figure 38</p>
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Existing Infrastructure

Currently Lee County and the City of Fort Myers have existing reclaimed water distribution systems, which is proposed infrastructure. The rest of proposed RIDS projects use the existing infrastructure as much as possible. Figures 28 through 38 include the existing and planned infrastructure near each of the proposed projects.